



# Transportation Packaging Quick Facts

Office of Environmental Management  
National Transportation Program



**Cask:** TN-REG

**Manufacturer:** Transnuclear, Inc.

**Certification:** U.S. Nuclear Regulatory Commission (NRC) Certification USA/9206/B(U)F (expires May 31, 2006)

**General Description:**

**Packaging Type:** B

**Gross Weight:** Cask body 157,005 pounds (71,217 kilograms) empty

**Capacity:** 40 pressurized water reactor fuel assemblies

**Overall Dimensions:** Length 234 inches (594.4 centimeters), Diameter 131 inches (332.74 centimeters)  
[including impact limiters]

**Cavity Size:** Depth 163.25 inches (414.7 centimeters), Diameter 71.75 inches (182.24 centimeters)

**Fuel:** 52,010 pounds (23,613 kilograms) maximum capacity

**Mode of Transport:** Rail

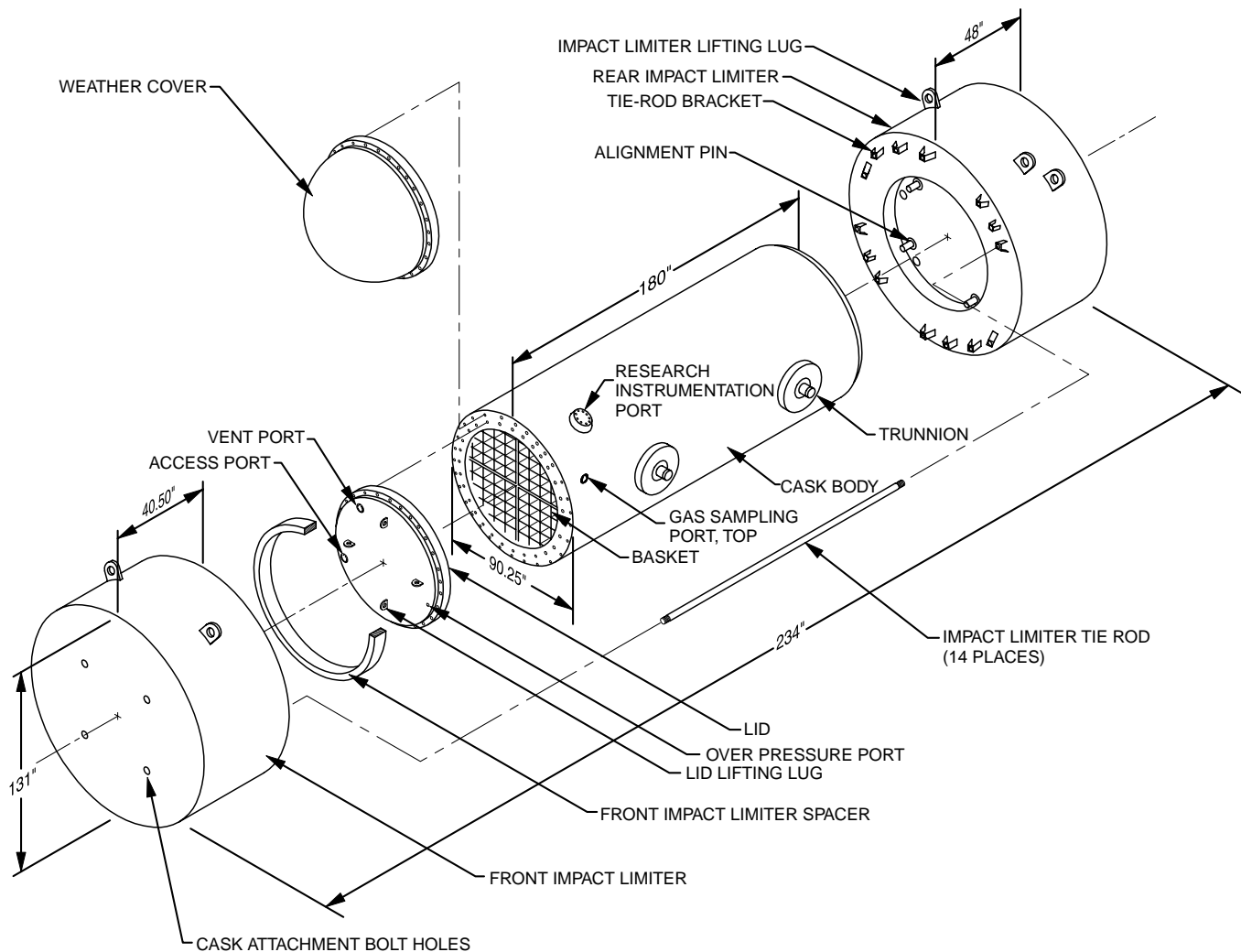
**Use:** The Transnuclear TN-REG will be used for shipping and storing spent nuclear fuel from the West Valley Demonstration Project in New York to the Idaho National Engineering and Environmental Laboratory. The cask is constructed of forged steel and contains a borated stainless steel basket to position the pressurized water reactor fuel assemblies in a square array in the circular cavity.

**Frequency of Use:** One or two shipments from New York to Idaho. While in Idaho, it will be used as interim dry storage for the fuel assemblies until a permanent repository is identified.

**Loading Process:** Loaded in vertical position in the pool (wet); shipped in a dry inert (nitrogen gas) environment in horizontal position.

**Owner:** U.S. Department of Energy





## TN-REG Shipping Cask

Additional information on DOE's National Transportation Program may be obtained from:

National Transportation Program  
U.S. Department of Energy  
Albuquerque Operations Office  
P.O. Box 5400, MS SC-5  
Albuquerque, NM 87185-5400

Phone: 505-845-6134  
Fax: 505-845-5508

Website:  
<http://www.ntp.doe.gov/>

DOE Center for Environmental  
Management Information  
P.O. Box 23769  
Washington, DC 20026-3769

1-800-7EM-DATA  
1-800-736-3282

Website:  
<http://www.em.doe.gov/>

Transportation Resource Exchange Center  
ATR Institute  
University of New Mexico  
1001 University Blvd., SE  
Albuquerque, NM 87106-4342

Phone: 1-877-287-TREX (8739)  
Fax: 505-246-6001  
email: [trex@unm.edu](mailto:trex@unm.edu)

Website:  
<http://www.trex-center.org/>